[METHOD AND APPARATUS FOR INDE-PENDENTLYREFRESHING MEMORY CA-PACITORS]

Abstract

A method for refreshing a memory capacitor is provided. First, the refresh controller provides a refresh control signal. The pre-decoded row address counter counts and outputs a regular pre-decoded row address in response to the refresh control signal. The regular pre-decoded row address is inputted to the pre-decoded row address re-driver to obtain a row address. The memory capacitor in response to the row address is refreshed.